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INTERNATIONAL SEARCH REPORT

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Inte 1al Application No  
PCT/EP 03/05876

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| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>  |  |  |
| IPC 7   | C12N15/57  | C12N9/48 A23J3/34 A23J3/10                         |
| According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |
| <b>B. FIELDS SEARCHED</b>   |  |  |
| Minimum documentation searched (classification system followed by classification symbols)   |  |  |
| IPC 7 C12N A23J   |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched   |  |  |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  |  |  |
| PAJ, EPO-Internal, WPI Data, MEDLINE  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |  |
| Category *  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.                              |
| X   | PATENT ABSTRACTS OF JAPAN<br>vol. 014, no. 197 (C-0712),<br>23 April 1990 (1990-04-23)<br>& JP 02 039896 A (EZAKI GLYCO KK),<br>8 February 1990 (1990-02-08)<br>cited in the application<br>abstract | 1-5, 13,<br>15                                     |
| X   | WO 99 02705 A (SOC PROD NESTLE SA)<br>21 January 1999 (1999-01-21)<br>page 10 -page 11<br>page 21 -page 23   | 1-5, 13,<br>15                                     |
| P, X  | WO 02 068623 A (ALBERMANN KAJ ;FRITZ<br>ANDREAS (DE); HOPPER SYLVIA (DE); KIMPEL<br>ERIK) 6 September 2002 (2002-09-06)<br>page 67 -page 69; example 8   | 1-5, 10,<br>11, 13, 15                             |
| -/--  |  |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.   |  |  |
| * Special categories of cited documents :<br>*A* document defining the general state of the art which is not considered to be of particular relevance<br>*E* earlier document but published on or after the international filing date<br>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>*O* document referring to an oral disclosure, use, exhibition or other means<br>*P* document published prior to the international filing date but later than the priority date claimed<br>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.<br>*&* document member of the same patent family |  |  |
| Date of the actual completion of the international search   |  | Date of mailing of the international search report |
| 13 August 2003  |  | 21/08/2003   |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016  |  | Authorized officer<br><br>Espen, J                 |

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Int. Application No  
PCT/EP 03/05876

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| E          | WO 02 45524 A (LANGE LINDA DE ;EDENS LUPPO<br>(NL); DSM NV (NL); DEKKER PETRUS JACOB)<br>13 June 2002 (2002-06-13)<br>cited in the application<br>page 5; claims 1-12; examples 12,13<br>---- | 1-5,13,<br>14         |
| A          | WO 00 52147 A (BANBULA AGNIESZKA ;POTEMPA<br>JAN (US); TRAVIS JAMES (US); UNIV GEORG)<br>8 September 2000 (2000-09-08)<br>-----   |                       |
| A          | WO 98 51803 A (NOVO NORDISK BIOTECH INC)<br>19 November 1998 (1998-11-19)<br>-----  |                       |

# INTERNATIONAL SEARCH REPORT

International Application No  
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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| JP 02039896                               | A | 08-02-1990          | JP 6030615 B               | 27-04-1994          |
| WO 9902705                                | A | 21-01-1999          | EP 0897012 A1              | 17-02-1999          |
|   |   |                     | AU 7654098 A               | 08-02-1999          |
|   |   |                     | CN 1261917 T               | 02-08-2000          |
|   |   |                     | WO 9902705 A1              | 21-01-1999          |
|   |   |                     | EP 1000160 A1              | 17-05-2000          |
|   |   |                     | JP 2001517094 T            | 02-10-2001          |
|   |   |                     | US 6309868 B1              | 30-10-2001          |
| WO 02068623                               | A | 06-09-2002          | WO 02068623 A2             | 06-09-2002          |
|   |   |                     | AU 1970902 A               | 18-06-2002          |
|   |   |                     | EP 1326957 A2              | 16-07-2003          |
|   |   |                     | WO 0246381 A2              | 13-06-2002          |
| WO 0245524                                | A | 13-06-2002          | AU 1608902 A               | 18-06-2002          |
|   |   |                     | AU 1970902 A               | 18-06-2002          |
|   |   |                     | AU 3456102 A               | 18-06-2002          |
|   |   |                     | WO 0245523 A2              | 13-06-2002          |
|   |   |                     | WO 0245524 A2              | 13-06-2002          |
|   |   |                     | EP 1326957 A2              | 16-07-2003          |
|   |   |                     | WO 0246381 A2              | 13-06-2002          |
|   |   |                     | WO 02068623 A2             | 06-09-2002          |
| WO 0052147                                | A | 08-09-2000          | AU 3863900 A               | 21-09-2000          |
|   |   |                     | WO 0052147 A2              | 08-09-2000          |
| WO 9851803                                | A | 19-11-1998          | AU 7381098 A               | 08-12-1998          |
|   |   |                     | CN 1268976 T               | 04-10-2000          |
|   |   |                     | EP 0981630 A1              | 01-03-2000          |
|   |   |                     | JP 2002511746 T            | 16-04-2002          |
|   |   |                     | WO 9851803 A1              | 19-11-1998          |